

**PROPOSED**

[Issuance Date]

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

04-XXE CAB  
File No. 0476-01

Mr. Hiram Rivera  
President  
E. M. Rivera & Sons, Inc.  
73-4354 Mamalahoa Highway, #204  
Kailua-Kona, Hawaii 96740

Dear Mr. Rivera:

**Subject: Temporary Covered Source Permit (CSP) No. 0476-01-CT**  
**Permit Renewal Application No. 0476-02**  
**E.M. Rivera & Sons, Inc.**  
**170 TPH Portable Crushing Plant**  
**with One (1) 362 HP Diesel Engine Generator**  
**Located at: Various Temporary Sites, State of Hawaii**  
**Initial Location: Honokohau, Kailua-Kona, Hawaii**  
**Date of Expiration: [Five Year Period from Issuance Date]**

The subject covered source permit is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on the plans, specifications, and information you submitted as part of your application dated July 12, 2004.

The covered source permit is issued subject to the conditions and requirements set forth in the following attachments:

Attachment I: Standard Conditions  
Attachment IIA: Special Conditions  
Attachment IIB: Special Conditions - Insignificant Activities  
Attachment III: Annual Fee Requirements  
Attachment IV: Annual Emissions Reporting Requirements  
Attachment V: Compliance Certification

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The forms for submission are as follows:

Change of Location Request for a Temporary Source  
Annual Emissions Report Form: Portable Crushing Plant  
Monitoring/Annual Emissions Report Form: Operating Hours/Fuel Certification - Diesel  
Engine Generator  
Monitoring Report Form: Visible Emissions

Visible Emissions Observation Form Requirements with the following enclosures:

- a. Visible Emissions Observation Form - Diesel Engine Generator
- b. Visible Emissions Observation Form - Portable Crushing Plant
- c. The Ringelmann Chart

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Hawaii Department of Health, or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

Sincerely,

THOMAS E. ARIZUMI, P.E., CHIEF  
Environmental Management Division

MR:lk

Enclosures

- c: Ed Yamamoto, EHS - Hilo
- Blake Shiigi, EHS - Maui
- Rodney Yama, EHS - Kauai
- CAB Enforcement Section
- CAB Monitoring Section

## PROPOSED

### ATTACHMENT I: STANDARD CONDITIONS TEMPORARYCOVERED SOURCE PERMIT NO. 0476-01-CT

[Issuance Date]

[Expiration Date]

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.  
  
(Auth.: HAR §11-60.1-90)
2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be willfully defaced, altered, forged, counterfeited, or falsified.  
  
(Auth.: HAR §11-60.1-6; SIP §11-60-11)<sup>2</sup>
3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.  
  
(Auth.: HAR §11-60.1-7; SIP §11-60-9)<sup>2</sup>
4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.  
  
(Auth.: HAR §11-60.1-7)
5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the Regional Administrator for the U.S. Environmental Protection Agency (EPA).  
  
(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)
6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)

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7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1 and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections, 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department of Health in writing of the following dates:
- The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
  - The **actual date of construction commencement** within fifteen (15) days after such date; and
  - The **actual date of start-up** within fifteen (15) days after such date.

(Auth.: HAR §11-60.1-90)

15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department of Health to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department of Health copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health may require the permittee to furnish such records not only to the Department of Health but also directly to the U.S. EPA Administrator along with a claim of confidentiality.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

16. The permittee shall notify the Department of Health in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:
- Identification of the specific equipment to be taken out of service, as well as its location and permit number;
  - The expected length of time that the air pollution control equipment will be out of service;
  - The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
  - Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
  - The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)<sup>2</sup>

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit,** the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:
- a. Identification of each affected emission point and each emission limit exceeded;
  - b. Magnitude of each excess emission;
  - c. Time and duration of each excess emission;
  - d. Identity of the process or control equipment causing the excess emission;
  - e. Cause and nature of each excess emission;
  - f. Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
  - g. Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
  - h. A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)<sup>2</sup>

18. A copy of applicable correspondence or records submitted to the Department of Health shall be provided to the U.S. EPA Administrator.

(Auth.: HAR §11-60.1-90)

19. The permittee may request confidential treatment of any records in accordance with HAR section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

20. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- a. Within eighteen (18) months after the permit takes effect, is discontinued for a period of eighteen (18) months or more, or is not completed within a reasonable time.
- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions, of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

21. The Department of Health may extend the time periods specified in Standard Condition No. 20 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

22. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)

23. All certifications shall be in accordance with HAR, section 11-60.1-4.

(Auth.: HAR §11-60.1-4, HAR §11-60.1-90)

24. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:

- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
- b. To sample or monitor at reasonable times substances or parameters to ensure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

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25. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of the facility covered by this permit**, the discontinuance shall be reported in writing to the Department of Health by a responsible official of the source.

(Auth.: HAR §11-60.1-8; SIP §11-60-10)<sup>2</sup>

26. Each permit renewal application shall be submitted to the Department of Health no less than twelve months and no more than eighteen months prior to the permit expiration date. The director may allow a permit renewal application to be submitted no less than six months prior to the permit expiration date, if the director determines that there is reasonable justification.

(Auth.: HAR §11-60.1-101, 40 CFR §70.5(a)(1)(iii))<sup>1</sup>

27. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.

(Auth.: HAR §11-60.1-93)

28. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, sections 11-60.1-85 and 11-60.1-86. As specified in HAR, section 11-60.1-86, the compliance certification shall be submitted to the Department of Health and the U.S. EPA Regional Administrator once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

29. **Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:**

**Clean Air Branch  
Environmental Management Division  
State of Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378**



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**Upon request, all correspondence to the State of Hawaii Department of Health associated with this Covered Source Permit shall have duplicate copies forwarded to:**

**Chief  
Permits Office, (Attention: Air-3)  
Air Division  
U.S. Environmental Protection Agency  
Region 9  
75 Hawthorne Street  
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

30. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received ("stamped") at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

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<sup>1</sup> The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

<sup>2</sup> The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.



**ATTACHMENT IIA: SPECIAL CONDITIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

**Section A. Equipment Description**

1. This permit encompasses the following equipment and associated appurtenances for the 170 TPH Portable Crushing Plant:
  - a. One (1) 170 TPH Gator Machinery Company jaw crusher with vibrating grizzly feeder (38" x 16'), model 2436, serial no. GTJC 6290-002;
  - b. Various conveyors;
  - c. Water spray system; and
  - d. One (1) Caterpillar 362 HP diesel engine generator, model 3306, serial no. 64Z29316.

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the crusher and diesel engine generator listed above to show model no., serial no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment in a conspicuous location.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

**Section B. Applicable Federal Regulations**

1. The 170 TPH portable crushing plant is subject to the provisions of the following federal regulations:
  - a. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart A, General Provisions; and
  - b. 40 CFR Part 60, Standards of Performance for New Stationary Sources, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR § 60.1, §60.670)<sup>1</sup>

2. The permittee shall comply with all of the applicable provisions of these standards, including all emission limits, notification, testing, monitoring and reporting requirements. The major requirements of these standards are detailed in the Special Conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR Part 60)<sup>1</sup>

**Section C. Operational and Emission Limitations**

**1. Crushing Operations**

- a. The total operating hours of the portable crushing plant, including the diesel engine generator, shall not exceed 2,080 hours operation in any rolling twelve (12) month period.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

- b. The permittee shall not cause to be discharged into the atmosphere from the crusher, fugitive emissions which exhibit greater than fifteen (15) percent opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)<sup>1</sup>

- c. The permittee shall not cause to be discharged into the atmosphere from any transfer point on the belt conveyors or from any other affected facility any fugitive dust emissions which exhibit greater than ten (10) percent opacity.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR §60.672)<sup>1</sup>

- d. The permittee shall take measures to control fugitive dust (e.g., wet suppression, enclosures, dust screens, etc.) at the crusher, material transfer points, stockpiles, and throughout the facility. The Department of Health may at any time require the permittee to further abate fugitive dust emissions if an inspection indicates poor or insufficient control.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- e. The permittee shall not cause or permit fugitive dust to become airborne without taking reasonable precautions and shall not cause or permit the discharge of visible emissions of fugitive dust beyond the lot line of the property boundary on which the emissions originate.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- f. Water spray bars shall be installed, maintained, and utilized as necessary during operation of the 170 TPH portable crushing plant to minimize fugitive dust at the following material drop off points:

- i. Loading at jaw crusher;
- ii. Transfer from built-in conveyor belt to radial conveyor; and
- iii. Transfer from radial conveyor to stockpile.

The Department of Health at any time may require continuous operation of the watersprays and/or additional water sprays or manual water spraying at pertinent locations if an inspection indicates that more fugitive dust control is needed

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- g. The portable crushing plant shall not be operated if observation, or the routine inspection required in Special Condition D.2.b. indicates a significant drop in water flow rate, plugged nozzle(s), leak in the piping system, or other problems which affect the efficiency of the water spray system. The permittee shall investigate and correct the problem before resuming operations. The normal operating flow rate (gal/min) for the water spray system shall be established in the performance test conducted pursuant to this Attachment, Section F, and may be incorporated into the permit.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- h. A water truck shall be maintained and utilized during the facility's operating hours and at other times as necessary to minimize fugitive dust on haul roads and storage piles.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

- i. The portable crushing plant, including the water spray system and diesel engine generator, shall be maintained in good operating condition at all times with scheduled inspections and maintenance as recommended by the manufacturer, or as needed.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

## 2. Diesel Engine Generator

- a. The diesel engine generator shall be fired only on fuel oil No. 2 with a maximum sulfur content not to exceed 0.5% by weight.

(Auth.: HAR §11-60.1-3, §11-60.1-38, §11-60.1-90)

- b. For any six (6) minute averaging period, the diesel engine generator shall not exhibit visible emissions of twenty (20) percent or greater, except as follows: during start-up, shutdown, or equipment breakdown, the diesel engine generator may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minutes.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161)

3. Location Change

- a. The operation of the equipment covered by this temporary covered source permit shall involve at least one (1) location change during the term of this permit.

(Auth.: HAR §11-60.1-81)

- b. Subsequent location changes of the portable crushing plant shall be in accordance with Section G, of this Attachment. For each change in location, the Department of Health reserves the right to impose additional operational controls and restrictions if a site evaluation indicates the controls and/or restrictions are necessary.

(Auth.: HAR §11-60.1-81)

4. Alternate Operating Scenario

The permittee may replace either of the primary diesel engines with a temporary replacement unit if repair work reasonably warrants removal (i.e., equipment failure, engine overhaul, or any other major problems requiring maintenance of the engine for efficient operation) of the primary diesel engine, provided the following provisions are adhered to:

- a. A written notification is submitted in accordance with Attachment II, Special Condition No. E.7.a and approval obtained by the Department of Health prior to exchanging the primary diesel engine with another unit. The notification shall include removal and return dates, and details on the make, size, model and serial numbers for both the temporary replacement unit and the primary unit.
- b. The temporary replacement engine is the same size as, or smaller than, the primary diesel engine with equal or lower emissions.
- c. The temporary replacement engine complies with all applicable conditions required for the primary equipment, including all operating restrictions and emissions limits.
- d. The primary diesel engine will be repaired and returned to service in a timely manner.
- e. Written notification for returning the primary engine to service is submitted to the Department of Health in accordance with Attachment II, Special Condition No. E.7.b.

(Auth.: HAR §11-60.1-5 and §11-60.1-90)

**Section D. Monitoring and Recordkeeping Requirements**

All records, including support information, shall be maintained for at least five (5) years from the date of the monitoring sample, measurement, test, report, or application. Support information includes all maintenance, inspection, and repair records, and copies of all reports required by this permit. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their representative upon request.

1. The permittee shall install, operate, and maintain a non-resetting hour meter on the diesel engine generator for the continuous and permanent recording of the number of hours operated by the plant and the diesel engine generator. The operating hours of the diesel engine generator shall represent the total hours operated by the portable crushing plant for the purpose of the limitation specified in Special Condition No. C. 1. a.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. Water Spray System

- a. A water flow meter shall be installed, operated and maintained to measure the flow rate of the water spray system in gallons per minute.
- b. The water spray system, to include the water pump, piping system, spray nozzles and any gauges (i.e., water pressure, water flow meter, etc.) shall be checked routinely or at least once per month to ensure proper operation of the water spray system.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

3. Visible Emissions (V.E.)

- a. Except in those months where a performance test is conducted pursuant to Special Condition No. D. 4. below, **monthly** (*calendar month*) V.E. observations shall be performed on the portable crushing plant and diesel engine generator. Observations shall be made at emission points subject to an opacity limit, and shall be performed in accordance with 40 CFR Part 60, Appendix A, Method 9, or by use of a Ringelmann Chart as provided. For the monthly observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point.

For the portable crushing plant, the observer shall comply with the following additional requirements:

- i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet);

- ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9; Section 2.1) shall be followed; and
- iii. The observer shall record the operating capacity (ton/hr) of the plant at the time the observations were made.

Records shall be completed and maintained in accordance with the *Visible Emissions Observation Form Requirements*.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90)

- b. The permittee shall conduct **annually** (calendar year), V.E. observations for the diesel engines by a certified reader in accordance with 40 CFR Part 60, Appendix A, Method 9. For the annual observation, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each emission point. Records shall be completed and maintained in accordance with the *Visible Emissions Observation Form Requirements*.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90)

- c. Upon written request and justification by the permittee, the Department of Health may waive the requirement for the annual V.E. observation of the diesel engines. The waiver request is to be submitted prior to the required annual V.E. observation and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observations indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous annual V.E. observation.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90)

#### 4. Performance Test

Initial and annual source performance tests shall be conducted on the portable crushing plant and diesel engine generator pursuant to this Attachment, Section F. Test summaries and results shall be maintained in accordance with the requirements of this section.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)



5. Records

The permittee shall maintain records on the following:

- a. Total tons of material processed by the portable crushing plant on a monthly and annual basis for purposes of annual emissions reporting.
- b. The number of hours the diesel engine generator operated on a monthly and 12-month rolling basis for purposes of the limitation specified in Special Condition No. C.1.a. Monthly records shall include:
  - i. Date of meter reading;
  - ii. Beginning and ending meter readings for each month;
  - iii. Total operating hours for each month; and
  - iv. Total operating hours on a 12-month rolling basis.
- c. Fuel purchase receipts, showing the fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel delivered to the site for the diesel engine generator. Fuel sulfur content may be demonstrated by providing the supplier's fuel specification sheet for the type of fuel purchased and received. Records on the total amount (gallons) of fuel fired in the diesel engine generator shall be maintained on an annual basis.
- d. Monthly V.E. observation monitoring results of the portable crushing plant and diesel engine generator's stack exhaust in accordance with the **"Visible Emissions Observation Form Requirements."**
- e. Source performance test plans, summaries, and results for the portable crushing plant and diesel engine generator.
- f. Equipment inspection, maintenance, and repair work. An inspection, maintenance and repair log shall be maintained for the equipment covered under this permit. Inspection of, and replacement of parts and repairs to the crusher, conveyors, water spray system, and diesel engine generator, shall be well documented. As a minimum the following records shall be maintained:
  - i. The date of the inspection/maintenance/repair work;
  - ii. A description of the part(s) inspected or repaired;
  - iii. A description of the findings and any maintenance or repair work performed; and
  - iv. The name and title of the personnel performing inspection/work.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

**Section E. Notification and Reporting Requirements**

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Conditions Nos. 14, 16, 17 and 25, respectively:
  - a. *Intent to shut down air pollution control equipment for necessary scheduled maintenance;*
  - b. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedences due to emergencies); and*
  - c. *Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.*

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90; SIP §11-60-10, §11-60-16)<sup>2</sup>

2. The permittee shall report in writing **within five (5) working days** any deviations from the permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventative measures taken. Corrective actions may include a requirement for additional source testing, more frequent monitoring, or the implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Performance Testing

- a. At least **thirty (30) days prior to conducting a source performance test** pursuant to Special Conditions, Section F, the permittee shall submit a written performance test plan to the Department of Health in accordance with Special Condition No. F.5.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR §60.8, SIP §11-60-15)<sup>1, 2</sup>

- b. Written reports of the results of the source performance tests conducted to demonstrate compliance shall be submitted to the Department of Health **within sixty (60) days after the completion of the performance test**, and shall be in conformance with Special condition No. F.7.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR § 60.676)<sup>1</sup>

#### 4. Monitoring Report Forms

The permittee shall submit **semi-annually** the following reports to the Department of Health. The reports shall be submitted **within sixty (60) days after the end of each semi-annual calendar period (January 1 - June 30 and July 1 - December 31)** and shall include the following:

- a. Total operating hours of the diesel engine generator on a monthly and 12-month rolling basis.
- b. Identify the type of fuel fired in the diesel engine generator during the respective reporting period. Include the maximum sulfur content (% by weight) of the fuel.
- c. Identify any opacity exceedances as determined by the required V.E. monitoring of the portable crushing plant and diesel engine generator. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that for each equipment there were no exceedances for that semi-annual period for the diesel engine generator and portable crushing plant.

The enclosed **Monitoring/Annual Emissions Report Form: "Operating Hours/Fuel Certification - Diesel Engine Generator,"** and **Monitoring Report Form: "Visible Emissions,"** shall be used.

(Auth.: HAR §11-60.1-3, §11-60.1-33, §11-60.1-90)

#### 5. Compliance Certification

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, a compliance certification pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period;
- e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a) (3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean air Act; and

- f. Any additional information as required by the Department of Health including information to determine compliance.

*The compliance certification shall be submitted **within ninety (90) days after the end of each calendar year**, and shall be signed and dated by a responsible official or authorized representative.*

*Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.*

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

6. Annual Emissions

As required by Attachment IV and in conjunction with the requirements of Attachment III, Annual Fee Requirements, the permittee shall report **annually** the total tons per year emitted of each regulated air pollutant, including any hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. Upon the written request of the permittee, the deadline for reporting of annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension.

For the crushing operations, the enclosed **Annual Emissions Report Form - "Portable Crushing Plant"** shall be used. For the diesel engine generator, completion and submittal of the **Monitoring/Annual Emissions Report Form - "Operating Hours/Fuel Certification - Diesel Engine Generator"** shall satisfy the requirement of annual emissions reporting.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

7. Alternate Operating Scenario

For interchanging the primary diesel engine with a replacement unit, the permittee shall submit:

- a. A written notification prior to exchanging the primary equipment with a temporary replacement engine. The notification shall identify the reason(s) for the replacement, replacement and primary engine serial numbers, replacement engine specifications and model number, the estimated emissions (tons per year, pounds per hour, and grams per second) for the temporary replacement engine, and an ambient air quality impact assessment, if requested, for the temporary engine(s) at the location of replacement.

- b. Written notification **within fifteen (15) days** after removing the replacement engine and returning the primary engine to service. The notification shall identify the beginning and ending dates of operation for the primary diesel engine and temporary replacement unit.

(Auth.: HAR §11-60.1-5 and §11-60.1-90)

## **Section F. Testing Requirements**

### **1. Performance Testing**

On an annual basis or at such times as may be specified by the Department of Health, the permittee shall conduct or cause to be conducted performance tests on the portable crushing plant and the diesel engine generator to determine the opacity of emissions. Test shall be conducted for each point subject to an opacity limit.

The Department of Health may require testing at other points in the facility or more frequent testing if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.675)<sup>1</sup>

### **2. Performance Test Methods**

- a. The performance tests for the portable crushing plant shall be conducted by a certified reader using Method 9 of 40 CFR Part 60, Appendix A, and the procedures in 40 CFR §60.11 with additions identified in 40 CFR Part 60, Subpart OOO, §60.675(c); or U.S. EPA-approved equivalent methods with written consent from the Department of Health. In addition, the observer shall comply with the following requirements:
  - i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet); and
  - ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources. The required observer position relative to the sun (Method 9, Section 2.1) shall be followed.
  - iii. The observer shall record the operating capacity (tons/hr) of the plant at the time observations were made.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

- b. When determining compliance with the fugitive dust emissions standard specified in Special Condition No. C.1.b for the crusher, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:

- i. There are no individual readings greater than fifteen (15) percent opacity; and
- ii. There are no more than three (3) readings of fifteen (15) percent for the 1-hour period.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

- c. When determining compliance with the fugitive emissions standard specified in Special Condition No. C.1.c for transfer points on the belt conveyor(s) or for any other affected facility, the duration of Method 9 may be reduced from three (3) hours (thirty 6-minute averages) to one (1) hour (ten 6-minute averages) only if the following conditions apply:

- i. There are no individual readings greater than ten (10) percent opacity; and
- ii. There are no more than three (3) readings of ten (10) percent for the 1-hour period.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

- d. When determining compliance with the fugitive emissions standards of Special Conditions Nos. C.1.b and C.1.c, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

- i. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.
- ii. Separate the emissions so that the opacity of emissions from each affected facility can be read.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

- e. If, after **thirty (30) days** notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required by Section F, the permittee shall submit a notice to the Department of Health at least **seven (7) days** prior to any rescheduled performance test.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675)<sup>1</sup>

- f. The permittee shall conduct performance tests on the diesel engine generator's stack exhaust by a certified reader in accordance with Method 9 of 40 CFR Part 60, Appendix A. For each test, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-32, §11-60.1-90)

### 3. Performance Test Expense and Monitoring

The performance tests shall be made at the expense of the permittee and shall be conducted at the maximum expected operating capacity of the portable crushing plant and diesel engine generator. All performance tests may be monitored by the Department of Health.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; §11-60.1-161, 40 CFR §60.675)<sup>1</sup>

### 4. Performance Test Plan

**At least thirty (30) days prior to conducting the performance test** for the portable crushing plant and diesel engine generator, the permittee shall submit a written performance test plan to the Department of Health that includes date(s) of the test, test duration, test locations, test methods, source operation, locations of visible emissions readings, and other parameters that may affect the test results. Such a plan shall conform to U.S. EPA guidelines including quality assurance procedures. A test plan or quality assurance plan that does not have the approval of the Department of Health may be grounds to invalidate any test and require a retest.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90; 40 CFR 60.8, SIP §11-60.1-15)<sup>1,2</sup>

5. Any deviations from these conditions, test methods, or procedures may be cause for rejection of the test results unless such deviations are approved by the Department of Health before the tests.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

- 6 Within **sixty (60) days** after completion of the performance test for the portable crushing plant and the diesel engine generator, the permittee shall submit to the Department of Health the test report which shall include the operating conditions of the facility at the time of the test (e.g., operating rate in tons/hr, water meter flow rate during the test in gal/min, etc.), locations of where the visible emissions were read, visible emission readings, location of water sprays, summarized test results, comparative results with the permit emission limits, other pertinent support calculations, and field/laboratory data. The results shall be recorded and reported in accordance with 40 CFR Part 60 Appendix A and §60.8 for the portable crushing plant.

The normal operating flow rate (gal/min) of the water spray system shall be determined by the flow rate used during the performance test that demonstrates compliance with the opacity limits of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90, §11-60.1-161; 40 CFR §60.675; SIP § 11-60-15)<sup>1,2</sup>

7. Performance Test Waiver

Upon written request and justification, the Department of Health may waive the requirement for, or a portion of, a specific source performance test. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior performance test indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since the previous source test.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

### **Section G. Change of Location Requirements**

1. The permittee shall submit information regarding all location changes to the Department of Health for approval **at least thirty (30) days**, or such lesser time as designated and approved by the Department of Health; prior to the change in location. The information submitted shall include the following:
  - a. Name, address, phone number of the facility and the plant site manager or other contact;
  - b. Temporary covered source permit number and expiration date;
  - c. Identification of current location;



- d. Location map of the proposed new temporary location containing the following information:
  - i. Identification of the property/fence lines; and
  - ii. Location of all structures within 325 meters of the equipment. Provide the building dimensions (height, length, and width) of all structures that have heights greater than 40% of the stack height of the equipment.
- e. Area map showing the proposed new location of the portable crushing plant;
- f. Projected dates of operation at the new location;
- g. Identification of any other air pollution sources at the new location;
- h. Certification that no modification will be made to the equipment, and operational methods will remain similar as permitted under this temporary covered source permit at the new location; and
- i. Any additional information as requested by the Department of Health, including an ambient air quality impact assessment of the facility at the new location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

- 2. The applicable filing fee shall be submitted to the Department of Health with each change in location request and made payable to the **Clean Air Special Fund-COV**

(Auth.: HAR §11-60.1-3, §11-60.1-91)

- 3. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

- 4. At each of the authorized locations, the permittee shall operate in accordance with this temporary covered source permit and all applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

- 5. All the information required in this section shall be submitted to the Department of Health using the attached form, *"Change of Location Request for a Temporary Source,"* including the area map showing the new proposed location.

(Auth.: HAR §11-60.1-3, §11-60.1-91)

**Section H. Agency Notification**

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Condition 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

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<sup>1</sup> The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

<sup>2</sup> The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT IIB: SPECIAL CONDITIONS- INSIGNIFICANT ACTIVITIES  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

**Section A. Equipment Description**

This attachment encompasses insignificant activities listed in HAR, §11-60.1-82(f) and (g) for which provisions of this permit and HAR, Subchapter 2, General Prohibitions apply.

(Auth.: HAR §11-60.1-3)

**Section B. Operational Limitations**

1. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

2. The Department of Health may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

**Section C. Monitoring and Recordkeeping Requirements**

1. The Department of Health reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. All records shall be maintained for at least five (5) years from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

CSP No. 0476-01-CT  
Attachment IIB  
Page 2 of 2  
[Issuance Date]  
[Expiration Date]

**Section D. Notification and Reporting**

**Compliance Certification.**

During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, Attachment V: Compliance Certification pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include, at a minimum, the following information:

- a. The identification of each term or condition of the permit that is the basis of the certification;
- b. The compliance status;
- c. Whether compliance was continuous or intermittent;
- d. The methods used for determining the compliance status of the source currently and over the reporting period; and
- e. Any additional information as required by the Department of Health including information to determine compliance.

**In lieu of addressing each emission unit as specified in Attachment V, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.**

The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official or authorized representative.

Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

**Section E. Agency Notification**

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment 1, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

**PROPOSED**

**ATTACHMENT III: ANNUAL FEE REQUIREMENTS  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT**

**[Issuance Date]**

**[Expiration Date]**

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1 be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1:

1. Annual fees shall be paid in full:
  - a. Within sixty (60) days after the end of each calendar year; and
  - b. Within thirty (30) days after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and be submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378**



## PROPOSED

### ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT

[Issuance Date]

[Expiration Date]

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

1. Complete the attached annual emissions report form **“Portable Crushing Plant”** and monitoring/annual emissions report form **“Operating Hours/Fuel Certification - Diesel Engine Generator.”**
2. The **annual reporting period** shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

**Clean Air Branch  
Environmental Management Division  
Hawaii Department of Health  
P.O. Box 3378  
Honolulu, HI 96801-3378**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information, including information concerning secret processes or methods of manufacture, by submitting a written request to the Department of Health and clearly identifying the specific information that is to be accorded confidential treatment.

## PROPOSED

**ATTACHMENT V: COMPLIANCE CERTIFICATION  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT  
(PAGE 1 OF 2)**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually, or more frequently as set by an applicable requirement:

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Facility Name: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.**

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

Complete the following information for each term or condition of the permit that applies to **each** emissions unit at the source. Also include any additional information as required by the director. The compliance certification may reference information contained in a previous compliance certification submittal to the director, provided such referenced information is certified as being current and still applicable.

1. Current permit number: \_\_\_\_\_
2. Emissions Unit No./Description: \_\_\_\_\_
3. Identify the permit term(s) or condition(s) that is/are the basis of this certification:

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4. Compliance status during the reporting period:

- a. Has the emissions unit been in compliance with the identified permit term(s) or condition(s)?

☐ YES

☐ NO

- b. If YES, was compliance continuous or intermittent?

☐ Continuous

☐ Intermittent



COMPLIANCE CERTIFICATION FORM	
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT	
(CONTINUED, PAGE 2 OF 2)	
[Issuance Date]	[Expiration Date]

c. If NO, explain.


5. The methods used for determining the compliance status of the emissions unit currently and over the reporting period (e.g., monitoring, recordkeeping, reporting, test methods, etc.):


Provide a detailed description of the methods used to determine compliance: (e.g., monitoring device type and location, test method description, or parameter being recorded, frequency of recordkeeping, etc.):


6. Statement of Compliance with Enhanced Monitoring and Compliance Certification Requirements.

a. Is the emissions unit identified in this application in compliance with applicable enhanced monitoring and compliance certification requirements?

☐ YES ☐ NO

b. If YES, identify those requirements:


c. If NO, describe below which requirements are not being met:


**CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT  
(PAGE 1 OF 2)**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall provide the following information to the Department of Health:

*(Make Copies for Future Use)*

1. The permittee shall complete this Change of Location Request Form regarding all succeeding location changes and shall submit this form to the Department of Health for approval at least thirty (30) days, or such lesser time as designated and approved by the Department of Health, prior to the change in location.
2. The permittee shall submit a Location map of the new temporary location containing the following information:
  - a. Identification of the property/fence lines.
  - b. Location of all structures within 325 meters of the equipment. Provide the building dimensions (height, length, and width) of all structures that have heights greater than 40% of the stack height of the equipment.

3. The permittee shall submit a filing fee with each change in location request. The filing fee shall be made payable to the **Clean Air Special Fund-COV** and is as follows:

**Noncovered Sources**

\_\_\_\_\_ \$ 50.00 for Non-Air Toxic  
\_\_\_\_\_ \$100.00 for Air Toxic

**Covered Sources**

  X   \$100.00 for Non-Air Toxic  
\_\_\_\_\_ \$300.00 for Air Toxic

4. The permittee shall submit any additional information as requested by the Department of Health.
5. This notification form shall be mailed to the following address:

**CLEAN AIR BRANCH  
ENVIRONMENTAL MANAGEMENT DIVISION  
HAWAII DEPARTMENT OF HEALTH  
P.O. Box 3378  
Honolulu, HI 96801-3378**

**(808) 586-4200**

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1. Prior to any relocation, the Department of Health shall approve, conditionally approve, or deny in writing each location change. If the Department of Health denies a location change, the applicant may appeal the decision pursuant to HRS, Chapter 91.
  2. At each new authorized location, the permittee shall operate in accordance with the current Temporary Covered Source Permit and all applicable requirements.

CHANGE OF LOCATION REQUEST  
FOR A TEMPORARY SOURCE  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT  
(CONTINUED, PAGE 2 OF 2)

[Issuance Date]

[Expiration Date]

1. Company Name: \_\_\_\_\_
2. Facility Name (if different from the company): \_\_\_\_\_
3. Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Phone Number: \_\_\_\_\_
4. Name of Owner/Owner's Agent: \_\_\_\_\_  
Title: \_\_\_\_\_ Phone: \_\_\_\_\_
5. Equipment Description: \_\_\_\_\_
6. Current Equipment Location: \_\_\_\_\_
7. **New Equipment Location:** \_\_\_\_\_
  - a. Plant site manager or other contact, if different than Current contact:  
\_\_\_\_\_
  - b. Phone Number: \_\_\_\_\_
  - c. Proposed start date at *New Location*: \_\_\_\_\_
  - d. Estimated project duration: \_\_\_\_\_
8. Brief description of the work to be performed. Also identify other air pollution sources owned and operated by the permittee at the new location, if any:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record. I further state that no modifications will be made to the equipment and operational methods will remain similar as permitted under the current Temporary Covered Source Permit at this new location.

Responsible Official (Print name): \_\_\_\_\_ Date: \_\_\_\_\_

Title of Responsible Official: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

## PROPOSED

**ANNUAL EMISSIONS REPORT FORM  
PORTABLE CRUSHING PLANT  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

Equipment Description: \_\_\_\_\_  
(Provide TPH. Rated-Capacity for Primary Crusher OR Crushing Rate of the Plant)

Serial/ID No.: \_\_\_\_\_

Type of Operation	Materials Processed (tons/yr)	Air Pollution Control Measures in Use	Control Efficiency (% Reduction)
Truck Unloading			
Primary			
Truck Loading			
Conveyors			
Stockpiles			

Note: Control measures include water sprays, housing and duct work to baghouses.

Use the following Control Efficiencies, unless documentation is available to show otherwise:

Baghouses: 99%

Water sprays, or Shroud: 70%

Subsequent transfer points of water sprayed material:  $70-(5*n)\%$

Efficiency factors may be reduced by the Department of Health, if there are any indications that a source's air pollution control device is not operating at the specified efficiency.

### **Additional Information:**

Maximum Tons/hour of material entering primary crusher: \_\_\_\_\_ tons/hr.

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
OPERATING HOURS/FUEL CERTIFICATION - DIESEL ENGINE GENERATOR  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT  
(PAGE 1 OF 2)**

**[Issuance Date]****[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Additional Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Facility Name: \_\_\_\_\_

Equipment Location: \_\_\_\_\_

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.

Responsible Official (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature): \_\_\_\_\_

Equipment Description: \_\_\_\_\_

\_\_\_\_MMBtu/Hr. (Maximum Design Heat Input; MM =  $1 \times 10^6$ ) \_\_\_\_Kilowatt rating \_\_\_\_ Horse-power rating

Serial/ID No.: \_\_\_\_\_

**1. Operating Hours.**

Month	Monthly Operating Hours	Total Operating Hours on a 12-Month Rolling Basis	Notes
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

**PROPOSED**

**MONITORING/ANNUAL EMISSIONS REPORT FORM  
OPERATING HOURS/FUEL CERTIFICATION - DIESEL ENGINE GENERATOR  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT  
(CONTINUED, PAGE 2 OF 2)**

**[Issuance Date]****[Expiration Date]****2. Fuel Certification for the Reporting Period:**

Report the type(s) of fuel and maximum percent sulfur by weight of the fuel fired in the diesel engine generator covered by this permit for the reporting period. Report the fuel usage in gallons per year of each type of fuel fired in the diesel engine generator for the 2<sup>nd</sup> semi-annual reporting period (calendar year).

Equipment Description	Type of Fuel Fired during Reporting Period	% Sulfur Content by Weight	Identify % Nitrogen, % Ash, & % Lead, if applicable	Fuel Usage Gallons per Year (reported in 2 <sup>nd</sup> semi-annual reporting period- for the calendar year)
362 HP Caterpillar Diesel Engine Generator, Model 3306				

Note: If not already on file at the Department of Health, provide the supplier's fuel specification sheet for the type(s) of fuel indicated in the above table. The fuel specification sheet shall indicate the % sulfur content by weight.

Types of Fuel:

- Residual Oil: Specify Grade, No. 6, 5, or 4;
- Distillate Oil (No. 2);
- Liquefied Petroleum Gas, Butane or Propane;
- If Other, specify.

## PROPOSED

**MONITORING REPORT FORM  
VISIBLE EMISSIONS  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT**

**[Issuance Date]**

**[Expiration Date]**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Future Use)

For Period: \_\_\_\_\_ Date: \_\_\_\_\_

Company Name: \_\_\_\_\_

Facility Name: \_\_\_\_\_

**I certify that I have knowledge of the facts herein set forth, that the same are true, accurate, and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record.**

Responsible Official (PRINT):\_\_\_\_\_

TITLE: \_\_\_\_\_

Responsible Official (Signature):\_\_\_\_\_

**Visible Emissions:**

Report the following on the lines provided below: all date(s) and six (6) minute average opacity reading(s) which the opacity limit was exceeded during the monthly observations; or if there were no exceedances during the monthly observations, then write no exceedances in the comment column.

[illegible]

**VISIBLE EMISSIONS OBSERVATION FORM REQUIREMENTS  
STATE OF HAWAII  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT**

**[Issuance Date]**

**[Expiration Date]**

The following Visible Emissions (V.E.) Observation Form shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with Method 9 or by use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), V.E. observation shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. observation forms shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in 5 percent increments (i.e., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. Stand at least three (3) stack/emission point heights, but not more than a quarter mile from the stack/emission point.
4. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack/emission point.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
  - a. Read from where the line of sight is at right angles to the wind direction.
  - b. The line of sight shall not include more than one (1) plume at a time.
  - c. Read at the point in the plume with the greatest opacity (e.g., for stacks, at the location without condensed water vapor, ideally while the plume is no wider than the stack diameter).
  - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
  - e. The plant/equipment shall be observed at the maximum permitted or expected operating capacity.
7. If the plant/equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. observation forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health, or their representative upon request.

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective V.E. monitoring requirements for the month the performance test is performed.



PROPOSED



**VISIBLE EMISSIONS OBSERVATION FORM  
DIESEL ENGINE GENERATOR  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT**

[Issuance Date]

[Expiration Date]

(Make Copies for Additional Use)

Company Name: \_\_\_\_\_  
Equipment and Fuel: \_\_\_\_\_

Stack **X**  
Sun   
Wind 

Draw North Arrow

**X** Emission Point



Observers Position

140

**Site Conditions:**

Stack height above ground (ft): \_\_\_\_\_  
Stack distance from observer (ft): \_\_\_\_\_  
Emission color (black or white): \_\_\_\_\_  
Sky conditions (% cloud cover): \_\_\_\_\_  
Wind speed (mph): \_\_\_\_\_  
Temperature (°F): \_\_\_\_\_  
Observer Name: \_\_\_\_\_  
Certified? (Yes/No): \_\_\_\_\_

Observation Date and Start Time: \_\_\_\_\_

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: \_\_\_\_\_

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

**PROPOSED**

**VISIBLE EMISSIONS OBSERVATION FORM  
PORTABLE CRUSHING PLANT  
TEMPORARY COVERED SOURCE PERMIT NO. 0476-01-CT**

**[Issuance Date]**

**[Expiration Date]**

(Make Copies for Additional Use)

Company Name: \_\_\_\_\_

Fugitive emission point description: \_\_\_\_\_

Plant Production (tons/hr): \_\_\_\_\_  
(during observation)

**Site Conditions:**

Emission point height above ground (ft): \_\_\_\_\_

Emission point distance from observer (ft): \_\_\_\_\_



Emission color (black or white): \_\_\_\_\_

Sky conditions (% cloud cover): \_\_\_\_\_

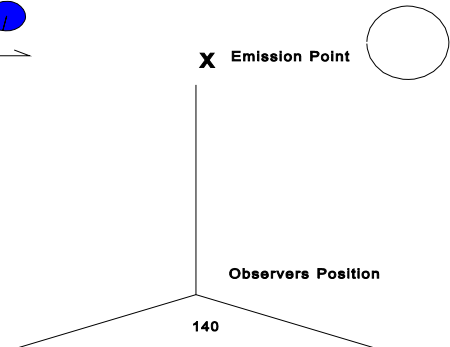
Wind speed (mph): \_\_\_\_\_

Observer Name: \_\_\_\_\_

Certified? (Yes/No): \_\_\_\_\_

Stack **X**  
Sun   
Wind 

Draw North Arrow



Observation Date and Start Time: \_\_\_\_\_

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					

Observation Date and Start Time: \_\_\_\_\_

SECONDS	0	15	30	45	COMMENTS
MINUTES					
1					
2					
3					
4					
5					
6					
Six (6) Minute Average Opacity Reading (%):					